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Leveraging **experience** and proven **local partners** in the **Lithium Triangle to develop high-purity Lithium**



XANTIPPE RESOURCES

SEPTEMBER 2022

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COMPETENT PERSONS STATEMENT

The Exploration Results reported in this announcement are based on, and fairly represent, information and supporting documentation prepared by Mr Greg Cunnold. Mr Cunnold who is a Member of the Australasian Institute of Mining and Metallurgy and is a Director of Xantippe Resources Ltd. Mr Cunnold has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Cunnold consents to the form and context in which the Exploration Results are presented in this announcement. Additionally, Mr Cunnold confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this presentation.

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XANTIPPE INVESTMENT OPPORTUNITY

We are a lithium developer aspiring to supply sustainable, high purity lithium from its flagship Carachi Project in Argentina



Exceptional Land Position

Located in the heart of the Lithium Triangle in Argentina, surrounded by major lithium developers



High Quality Lithium Project

Access to top tier, scalable, diversified, rich sources of lithium brine



Strong In-Country Partnerships

Local partners with a long - standing relationships with landowners. Excellent political relationships local to state to federal



Best of Class Technologies

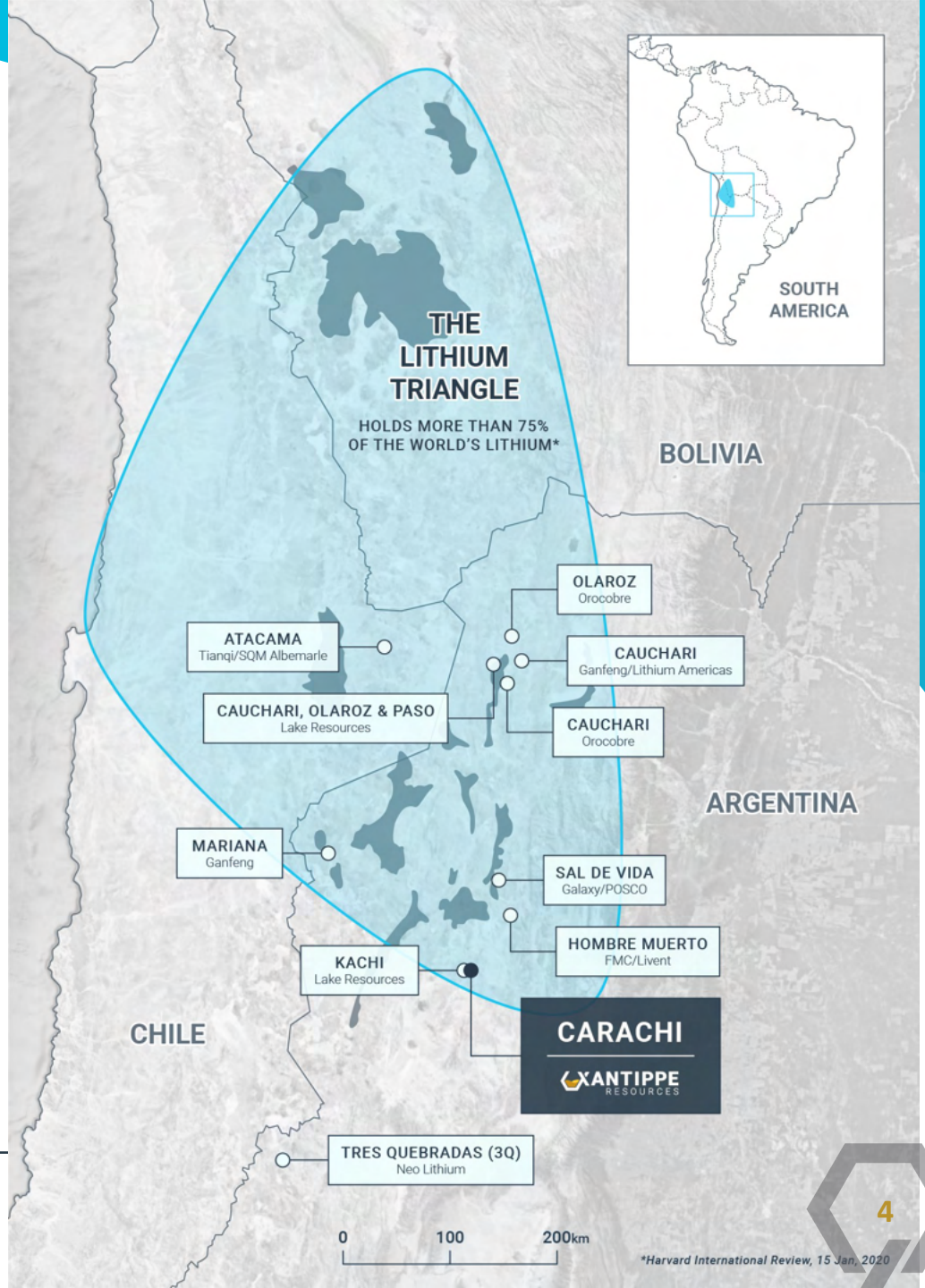
High purity/battery grade lithium sustainably locally-sourced and produced; with a clear commercialisation strategy

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CARACHI LITHIUM PROJECT

Exceptional land position in the heart of the Lithium Triangle

- Xantippe tenements are located in Argentina in the heart of the renowned Lithium Triangle comprising Argentina, Chile and Bolivia
- The Lithium Triangle has the world's largest concentration of Lithium brines
- At present XTC owns 8 tenements over land totalling 21,900Ha (21.9 km^2)
- Considerable upside - XTC is located proximal to lithium brine explorer and developer, Lake Resources (ASX: LKE; A$1.75bn mkt cap[1])



1. LKE market capitalisation as at 13 September 2022

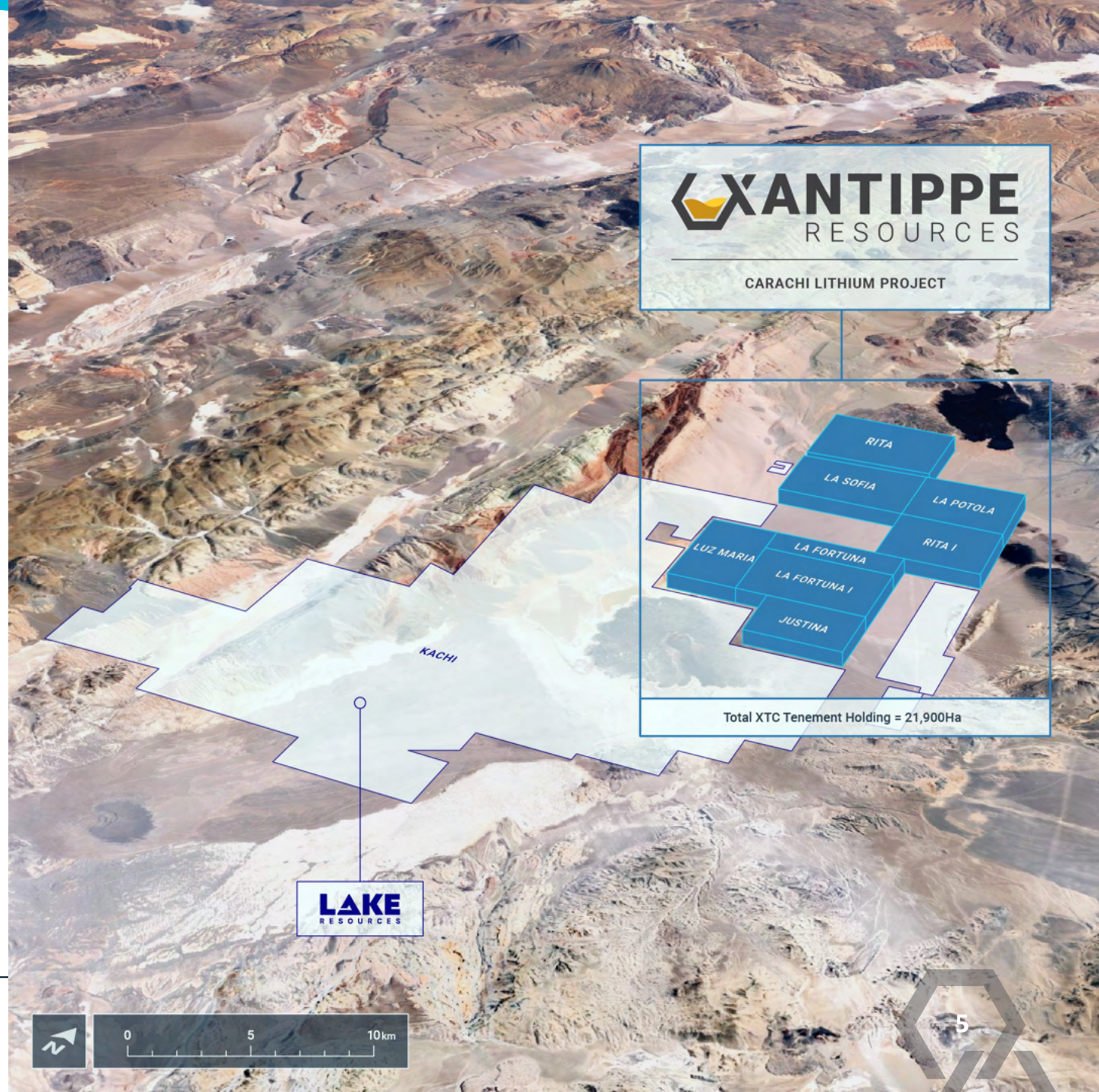
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HIGH QUALITY LITHIUM

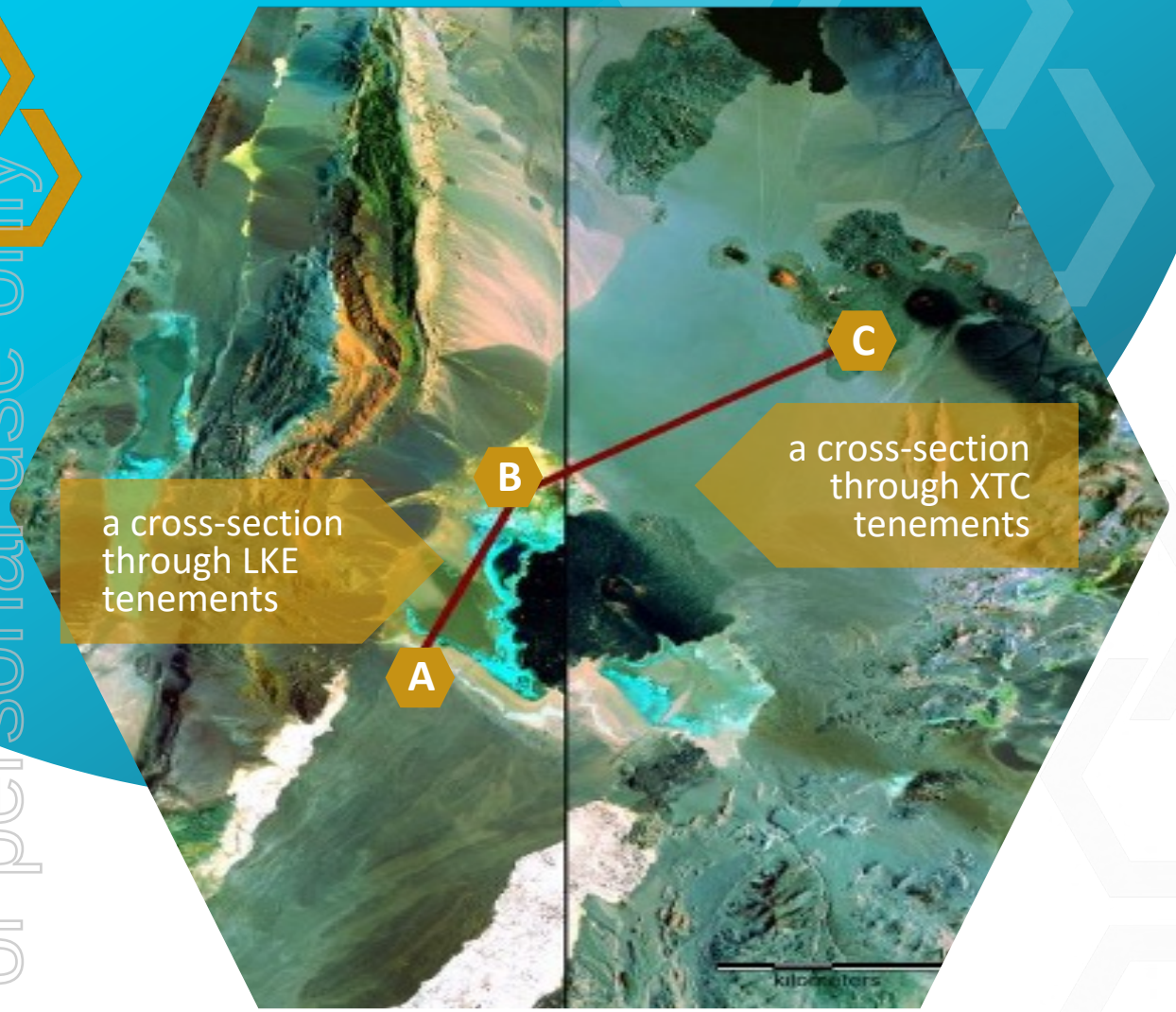
XTC has 8 tenements totalling 21,900 Ha
Rita, Rita1, La Sofia, Luz Maria, Justina, La Fortuna, La Fortuna 1 and La Potola

- Located proximal to lithium brine explorer and developer, Lake Resources (ASX: LKE; A$1.75bn mkt cap)
- Luz Maria shares the same reservoir as LKE - lithium grade is similar to that existing on LKE tenement
- Work previously completed by LKE will fast-track development for XTC
- Acquisition of Carolina Lithium allowed XTC to access tenements not otherwise available

1. LKE market capitalisation as at 13 September 2022



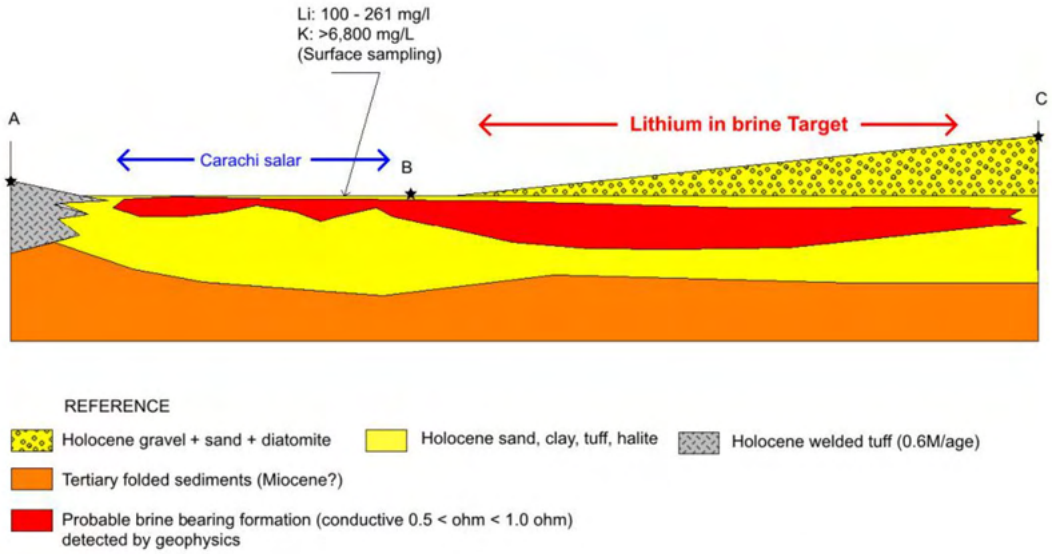
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Refer ASX announcement 25 February 2022 for further information

PROSPECTIVITY

Composite interpretative resistivity section A-B and B-C shows low resistivity anomalies within the Salar de Carachi Pampa and postulated paleo salar, to the Northeast



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STRONG IN-COUNTRY PARTNERSHIPS

Local management

- Board comprises of two Argentina-based, experienced business persons:
  - Ms Carolina Arecco (Non-Executive Director)
  - Mr Juan Manual Santos (Non-Executive Director)

Local partners

- Led by Juan Manuel Santos, long-standing relationships with local landowners benefits XTC by priority access to acquiring new tenements and enabling community approval and involvement.

Highly professional local team

- Led by geologist Jose Luis Gonzalez, a highly experienced Lithium geologist in Argentina. Formerly with RTZ and Galaxy (now Allkem).



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INVESTING IN CLEAN TECHNOLOGY

Producing sustainable lithium to meet global demand

An innovative process called Direct Lithium Extraction (DLE) has shown that lithium can be processed in a more time-efficient and environmentally responsible way than using evaporation ponds (which require a large land 'footprint' and can take up more than 18 months to harvest the lithium).

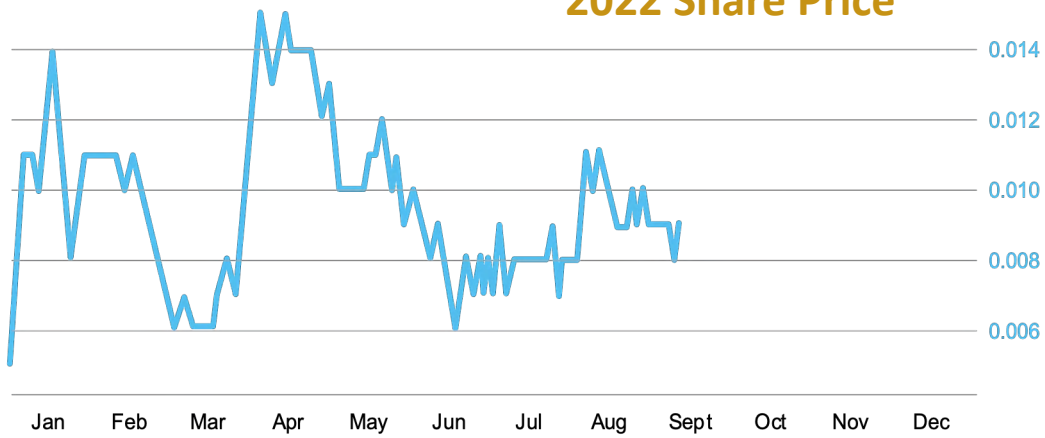
DLE has several potential benefits:

- Eliminating/reducing the footprint of evaporation ponds
- Decreasing production times compared with conventional brine operation
- Increasing recoveries from around 40 percent to over 80 percent
- XTC conducting preliminary assessment of all DLE technologies
- Advanced discussions underway with parties on DLE technologies

There are approximately 9 DLE methods being trialled throughout South America.

CORPORATE SNAPSHOT

2022 Share Price



Next 6 Months

- Exercise existing options
- Expand tenement holding in Argentina
- Geophysics and Drilling to determine quality / grade of the Lithium brine
- Resource definition
- Technology Collaboration on DLE
- Environmental Impact Study

A$5.97m
Cash Balance
(as at 30 JUN 2022)

XTC
ASX Code

A$65m
Market Cap
(as at 13 SEP 2022)

A$0.009
Share Price
(as at 13 SEP 2022)

8.6bn
Shares on issue

603m
Listed options
(@.0035)

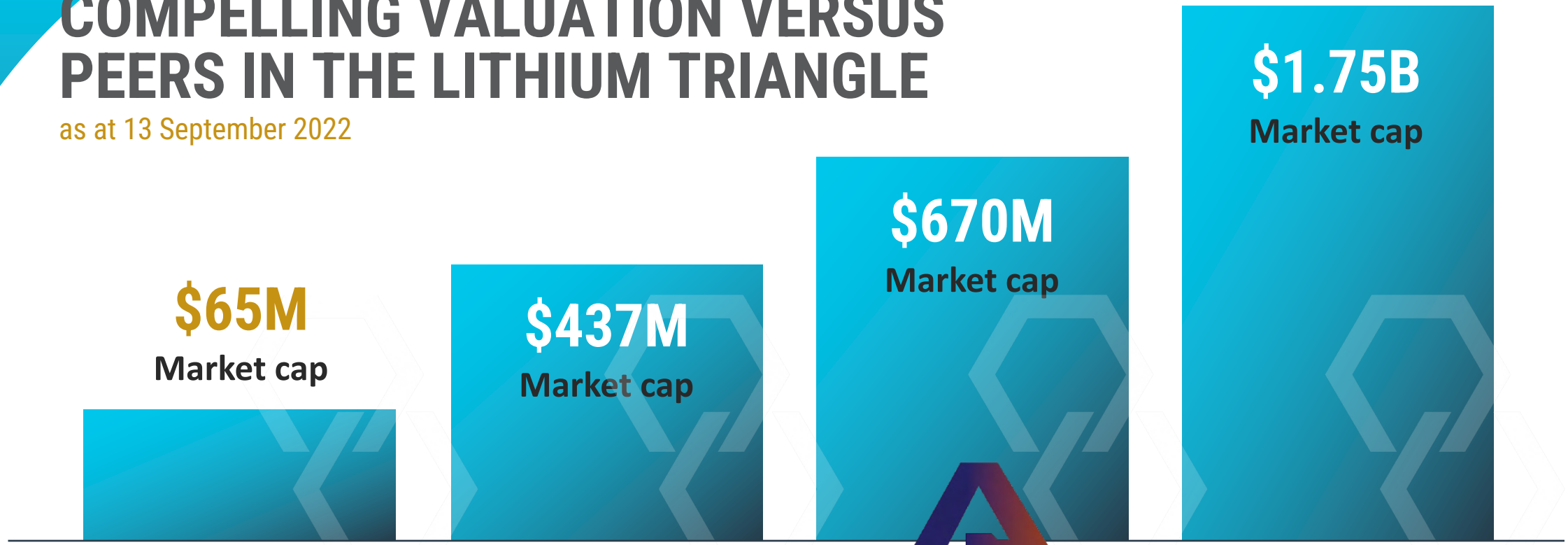
40%
Top 20 shareholders

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COMPELLING VALUATION VERSUS PEERS IN THE LITHIUM TRIANGLE

as at 13 September 2022



XANTIPPE RESOURCES
Share price (XTC): 0.9c
Carachi Lithium Project
Lithium Triangle, Argentina

GALAN LITHIUM LIMITED
Share price (GLN): $1.46
Candelas Lithium Project
Lithium Triangle, Argentina

ARGOSY MINERAL LIMITED
Share price (AGY): 51.3c
Rincon Lithium Project
Lithium Triangle, Argentina

LAKE RESOURCES
Share price (LKE): $1.29
Kachi Lithium Project
Lithium Triangle, Argentina

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HIGH QUALITY BOARD & MANAGEMENT



Imants Kins

NON-EXECUTIVE CHAIRMAN

Imants Kins has a Bachelor of Economics from UWA and Master of Arts (Futures Studies) from Curtin University. He has extensive experience at a senior level in Government and since 1986 the private sector in natural resources sector as a senior manager, corporate economist and Director of ASX listed companies.



Richard Henning

MANAGING DIRECTOR

Richard Henning is a skilled mining executive and geologist with technology commercialisation experience spanning more than 40 years' across a range of countries and commodities.

Richard played a key role in the investment and development of WA uranium explorer Extract Resources, where he oversaw a period of immense growth as business development and corporate relations manager, culminating with the company getting sold for $2.2bn. Richard has also served as Managing Director and Chairman of Korean-focussed resources explorer Stonehenge Metals over a period of five years and is currently Chairman of Burma Mining Corporation.

Richard holds a Bachelor of Geology from Queens University in Belfast.



Carolina Arecco

NON-EXECUTIVE DIRECTOR

Carolina Arecco is Argentinean and she is currently the Commercial Director of Arecco Ingenieria SA.

Carolina has experience in managing American companies, where she has successfully opened a number of new markets particularly in business development for markets in Argentina, Chile, and Spain.

Over the past two decades Carolina has successfully played a substantial role in the coordination of the natural gas network in Brazil together with Arecco's strategic partner, British Gas.



Guzman Fernandez

NON-EXECUTIVE DIRECTOR

Guzman Fernandez is an Attorney at Law at the Geneve Bar and holds a BSc in Law from the Geneva Law school with a Master in Laws in Alicante, Spain. Guzmán has 25 years experience at law, commercial and management of companies engaged in the acquisition, development and operation of renewable energy projects in Latin America; he is also the founder and CEO of Field Intelligence Energy, a green driven company whose mission is to innovate and explore sustainable green solutions.



Juan Manuel Santos

NON-EXECUTIVE DIRECTOR

Juan Manuel Santos is Director of Catamarca Operations. Juan studied management of agro-industrial companies. He's General Manager of Grupo Santos. A group of companies with activities in logistics, soft drinks industry, citrus producer and exporters, mining, construction and real estate.

President of Unaje (Argentine Chamber of Young Entrepreneurs). With an excellent relationship with government to help others companies to export and softlanding. He works with communities on many project's seeking generate a positive impact on society.
Awarded for their excellence in management by Forbes, Galicia and BBVA Banks and other institutions.



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